Mirel Yavuz

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EDUCATION

UCLA Anderson School of Management   **Los Angeles, CA**

Ph.D. in Decisions, Operations and Technology Management   *Sep. 2018 – June 2024 (expected)*

Thesis Title: Making Better Decisions in Sustainable Operations: Behavioral and Optimization Based Perspectives

Bilkent University   **Ankara, Turkey**

Master of Science in Industrial Engineering   *Sep. 2016 – June 2018*

Thesis Title: Two Approaches for Fair Resource Allocation

Bilkent University   **Ankara, Turkey**

Bachelor of Science in Industrial Engineering   *Sep. 2012 – June 2016*

RESEARCH & PUBLICATIONS

Research Interests:

Sustainable operations, optimization, data-driven analytics, multi-objective decision making and behavioral operations management.

Published/Under Review Papers:

Interactive Preference-based Optimization with Unknown Value Function: Application to Sustainable Sourcing in the Apparel Supply Chain (job market paper)

> with Charles J. Corbett

> Under review in *Management Science*

Influence of Irrelevant Alternatives on Choices with Environmental Attributes

> with Guia Bianchi, Charles J. Corbett, Tayler Bergstrom, Aimee Drolet, Timothy F. Malloy, Deepak Rajagopal, Rakesh K. Sarin, Francesco Testa

> Under revision for resubmission to *Journal of Industrial Ecology*

Fair Resource Allocation: Using Welfare-based Dominance Constraints

> with Nikolaos Argyris and Özlem Karsu

> *European Journal of Operational Research*, 297(2), 560-578, 2022

> available at: https://doi.org/10.1016/j.ejor.2021.05.003.

Works in Preparation:

Comparative Experimental Evaluation of Interactive Preference-based Optimization Using oTree

> with Charles J. Corbett

> Target journal: *Management Science*

Green Nudging by Bringing a Possible Future Closer

> with Charles J. Corbett, Hal E. Hershfield, Rakesh K. Sarin

> Target journal: *Management Science*

TEACHING EXPERIENCE

UCLA Anderson School of Management   **Los Angeles, CA**

Teaching Assistant / Associate   *Sep. 2019 – Present*

Exam proctoring, exam and assignment grading, evaluating case reports, arranging office hours, and giving lectures in review sessions to students with a wide variety of industry experience for the courses:

- Global Supply Chain Management for MBA: MGMT240F – SPRING 2023, SPRING 2024 (scheduled)
  - Instructor: Felipe Caro
- Optimization for MSBA: MGMTMSA403 – WINTER 2024 (scheduled)
  - Instructor: Auyon Siddiq
- Data and Decisions for EMBA: MGMTEX402 – FALL 2022 (average TA evaluation: 4.92/5.00)
  - Instructor: Velibor Misic
- Data and Decisions for FEMBA: MGMTFE402 – FALL 2022 (average TA evaluation: 5.00/5.00)
  - Instructor: Hamed Mamani
- Data and Decisions for EMBA: MGMTEX402 – FALL 2021
  - Instructor: Hamed Mamani
- Data and Decisions for MBA: MGMTFT402 – FALL 2020
  - Instructor: Auyon Siddiq
- Data and Decisions for MBA: MGMTFT402 – FALL 2019
  - Instructor: Elisa Long

Bilkent University   **Ankara, Turkey**

Teaching Assistant   *Sep. 2016 – June 2018*

Exam proctoring, grading assignments, evaluating case reports, arranging office hours and giving lectures in need for the following courses in the undergraduate program in industrial engineering department:

- Decision Making in Healthcare for Undergraduate: IE485 – SPRING 2017-2018
  - Instructor: Özlem Karsu
- Sustainable Operations for Undergraduate: IE457 – FALL 2016-2017, FALL 2017-2018
  - Instructor: Emre Nadar
- Quality Assurance and Reliability for Undergraduate: IE380 – SPRING 2016-2017
  - Instructor: Emre Nadar

INDUSTRUAL EXPERIENCE

Turkish Red Crescent   **Ankara, Turkey**

Senior Project in Strategic Management Department   *Sep. 2015 – May 2016*

A Decision Support System for the Management of Aid-In-Kind Donations for Turkish Red Crescent: Designed a decision support system which increases the effectiveness of the allocation of Aid-in-Kind donations by improving the communication and coordination among branches.

The resulting work was a finalist in *2016 INFORMS Doing Good with Good OR – Student Paper Competition*

Doğuş Oto Çankaya Automotive Retailer   **Ankara, Turkey**

Internship in Sales Department of Volkswagen   *June 2015 – July 2015*

Sales Consultant Reallocation Project: Performed an analysis on sales consultant allocations and proposed a strategy to provide better service to customers.

Arçelik Dishwasher Manufacturing Plant   **Ankara, Turkey**

Internship in Research and Development Department   *Aug. 2014 – Sep. 2014*

Constraint Tables Project: Performed an analysis on the requirements and regulations of international orders and proposed constraint tables which can improve the efficiency of the ERP System.

HONORS, AWARDS and CERTIFICATES

UCLA Anderson Doctoral Fellowship	2018 – 2022
UCLA Anderson and Easton Center Summer Doctoral Fellows Program	2019 – 2021
TUBITAK ARDEB Research Fellowship	2016 – 2018
Bilkent University Graduate School of Engineering and Science Fellowship for Masters	2016 – 2018
Finalist in 2016 INFORMS Doing Good with Good OR – Student Paper Competition	2016
Bilkent University High Honor Certificate (8 times)	2012 – 2016
Merit Scholarship from Bilkent University	2013 – 2015
Top 1% in National University Entrance Examinations	2012
Graduated as 1st from Büyük Kolej High School (Valedictorian)	2012

SERVICE

Session chair (Decision making in sustainable supply chains) at 2023 INFORMS Annual Meeting	2023
INFORMS and POMS student member	2021 – Present
Working group member of Behavioral Operations Research at The Association of European Operational Research Societies	2021 – Present
PhD Representative for Equity, Diversity, and Inclusion at UCLA Anderson School of Management	2022 – Present

PRESENTATIONS & INVITED TALKS

An Interactive Algorithm for Optimization with Unknown Value Function

- 2023 INFORMS Annual Meeting in October 2023 (job-market paper, *scheduled session: WB23*, Arizona, United States)
- 2023 INFORMS Manufacturing and Service Operations Management (MSOM) Conference in June 2023 (Quebec, Canada)
- 31st European Conference on Operational Research in July 2021 (Greece/Online)

Influence of Irrelevant Alternatives on Choices with Environmental Attributes

- 2023 INFORMS Annual Meeting in October 2023 (*scheduled session: MD28*, Arizona, United States)
- 2022 INFORMS Annual Meeting in October 2022 (Indiana, United States)
- 32nd Annual POMS-Conference in April 2022 (Online)
- 2021 INFORMS Annual Meeting in October 2021 (Online)
- UCLA Anderson Behavioral Decision Making Lab in October 2021 (California, United States)

CONFERENCES & WORKSHOPS

INFORMS Annual Meeting	2020, 2021, 2022,2023 (scheduled)
2023 INFORMS MSOM Conference	2023
32nd Annual POMS Conference	2022
3rd Behavioral OR Summer School Workshop	2021
31st European Conference on Operational Research	2021
Annual Workshop on Supply Chain and Logistics at Bilkent University	2018, 2022

SKILLS, LANGUAGES AND EXTRACURRICULAR ACTIVITIES

Languages: Turkish (Native), English (Advanced), German (Intermediate, B2), Italian (Beginner, A1)

Skills: Python, Julia, MATLAB, R, oTree, SQL, Gurobi, GAMS, Cplex, Xpress, LateX, MINITAB, Arena Simulation, MS Office, Adobe Photoshop, Adobe Premiere Rush

Hobbies: Chess, Piano, Reading, Solving Puzzles, Cooking, Skiing

REFERENCES

Charles J. Corbett
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Anderson School of Management
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Elisa F. Long
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Felipe Caro
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Auyon Siddiq
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